
1. Introduction

GDS Delivery Version: **D3.8** ☐ Full Delivery ☒ Partial ICA #: 10386

In Flight
Spacecraft: ☐ MGS ☐ M98 Orbiter ☒ M98 Lander ☐ Stardust ☐ Other [____]

Type: ☒ Block Updates: ** ☐ Utilities
 ☒ Modeling Updates ☐ Flight Rules

Notice: Times Below were decided at the Change Board.

Installation Window: _____
Best Times to Install: _____
Freeze Times: _____

MCR's

572 - MPL Landed Safe Mode Redesign ** (uhf_ce_receive.blk)
573 - Landed Ops Wakeup Block Mods 991111 ** (wakeup_restore.blk & wakeup_no_restore.blk)

ISA's

Z65980 - Z65981 - Individual station transmitter suppression not working correctly

FR's

Z66094 - Candy Hansen reports that device energy modeled in apgen does not stop accumulating when device is powered off.

2. Delivery Location: **mgcm1:/staging/MSOP/seq** ☒ **doc/** (directory) ☒ **tarfiles/** (directory)

3. SEQ Workstations - Installation Instructions: ☐ N/A ☒ (See Attached - Directory Listing)

a) Special Alerts - Before Install

☐ ASP - Must be Stopped - Coordinate with SEQ Team Chief and SIE on Duty

☒ Notify S/W Dev: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153) & ☒ SIE on Duty

Comments: _____

b) Install - Tar file: **D3.8-SEQ-000-SEQ** tar in directory: /msop/seq/

On: **PST** workstations

- 1) copy the tarfile: **D3.8-SEQ-000-SEQ.tar** - to subdirectory: /msop
- 2) tar -xvf **D3.8-SEQ-000-SEQ.tar**
- 3) rm **D3.8-SEQ-000-SEQ.tar**

Comments: - COPY - tar file - **over** – current /msop/seq

c) Notify: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153) ☐ Linda Lee (3-9568),
when Install is completed.

1) Software Dev will configure /msop/seq_data and other areas

- ☒ clean-out /engineering
- ☒ verify software installed correctly
- ☒ run test cases

2) Software Dev will Notify: ☒ SIE on Duty ☒ CM when configuration is completed.

3) ☐ SIE on Duty ☐ SEQ Team Chief ☐ Software Development will:

☐ Restart ASP ☐ Notify - ACE, so Operations may continue ☐ Notify - CM

Special - User's - Alerts - After Install:

☒ Log off workstation - then Log back on (files need to be re-configured)

Comments:

4. SCT Workstations - Installation Instructions: ☒ (See Attached - Directory Listing)

a) Install - Tar file: **D3.8-SEQ-000-SEQ** tar in directory: /msop/seq/

On: ☐ LMA SCT SERVER ☐ LMA STL Workstations ☐ SD MSA

- 1) copy the tarfile: **D3.8-SEQ-000-SEQ.tar** - to subdirectory: /msop
- 2) tar -xvf **D3.8-SEQ-000-SEQ.tar**
- 3) rm **D3.8-SEQ-000-SEQ.tar**

Comments: - COPY - tar file - **over** – current /msop/seq

b) Notify: ☒ J. Morris (4-1069) ☒ S. Wissler (4-0153) ☐ Linda Lee (3-9568),
when Install is completed.

1) Software Dev will configure /msop/seq_data and other areas

- ☒ clean-out /engineering
- ☒ verify software installed correctly
- ☒ run test cases

2) Software Dev will Notify: ☐ ACE ☐ CM - when configuration is completed.

Special - User's - Alerts - After Install:

☒ Log off workstation - then Log back on (files need to be re-configured)

Comments:

This form will be placed on our homepage, in the following URL: http://mgsw3.jpl.nasa.gov/seq/seq_dev/

Sequence Development Tests - ran on: **mtbseq1**

Script **run_local_SIM_rtc_ASP_tests** (Ran on **mtbseq1** – runs ASP locally)

Options Selected		Comments
X	1 - file_load tests (ic - ifl) 8-tests	Tests ran as expected, everything, ran through the ASP
X	2 - SCT - ic & ec - tests - 13-tests - sdu-mgs-mco-mpl	

Script: **run_testbed_SIM_rtc_ASP_tests** (Ran from **mdeseq** - mailed frf to **mtbseq1**)

Options Selected		Comments
X	1 - file_load tests (ic - ifl) 8-tests	Tests ran as expected, everything, ran through the ASP
X	2 - SCT - ic & ec - tests - 13-tests - sdu-mgs-mco-mpl	

Script: **run_FR_tests** (checks out Flight Rules) runs, seqgen, grep_diffs & get_pef_errors diffs

Options Selected		Comments
X	1 - mpl - flight rules	Test ran as expected all miss-compares were explained, due to block updates

Script: **run_block_tests** (Each block is run through Seqgen)
ssf_block_view- run for all testcases – with RELATV time
pef_display - (block option) – run for all other testcases

Options Selected		Comments
X	1 - mpl - blocks	Test ran as expected all miss-compares were explained, due to block updates

Ran: **seqgen & gen_soe_dkf** (Latest – Cruise) pc011a.10

dkf & rsoe compares were run, no miss-compares found.

Additional - Tests

Script: **run_HSKPGen** (Tests the Houskeeping sequence generation process including the auto-scheduling of DTE, DFE and UHF activities, as well as the generation of a merged scmf containing all of the housekeeping sequences generated)

Script: **run_edl_sol0** - (This is a modeling test for pre-edl through the end of Sol 0 – Blocks: edl & landed_init)

Script: **run_sol2** (Tests the following blocks: Science_Master_Sequence, Science_DPT, Science_Heap, Lander_HSKP, DTE_Transmitt, DFE_receive, landed_dsn_contact.blk, landed_xband_receive.blk, wakeup_restore.blk, wakeup_no_restore.blk, shutdown.blk)

Directory Listing: D3.8-SEQ-000-SEQ.tar

164723 Nov 11 16:11 1999 seq/aaf/m98.11-9-99.science.aaf

2233 Nov 15 21:58 1999 seq/bin/mpl-seq-adapt-setup

346984 Nov 15 20:29 1999 seq/satf/M98.lander.Llc.satf

559147 Nov 15 20:17 1999 seq/smf/M98.lander.8.0.0.Llc.smf
